



# OTVARC Oscillator

The Oregon Tualatin Valley Amateur Radio Club Newsletter

December 1994 Issue

The Prez Sez

Bill - N7VZF

1994 has almost drawn to a close. With it comes the end of my year in office. Several things come to mind concerning the year that I would like to address.

As you know, 1994 has been a "Curious" year for the club. There has been a certain lack of stability in the board that is no fault of anyone. People's lives change and so do their priorities. It has really helped me knowing that I have had a good "Core" group of people to keep me on the right road. I want to thank Al Berg and Wes Allen who have always been there when I have had a question. I don't think the club as a whole could ever really thank these two enough for all the hard work they have done. Several others who have worked in the shadows so to speak also need to be mentioned. Randy Stimpson, Bud and Sally Porterfield, Mary Berg, Jim Schaeffer, Janet Bell, "Van" Van Ness, Lynn Hurd and Susan Benson just to mention a few. These people have put in hours and hours behind the scenes to help make the club strong and maintain direction.

There is no way that I can forget to mention the job that Brad Beach had done over the last several years handling the job as secretary for the club. He has been there time and time again, helping make it all work. Now if we could just get him to realize that listening to Moscow Radio doesn't score any point on Field Day...

There are three other people who I must thank for their help this year. Terry Sparks, who works a full time job, a part time job and still was willing to step in to handle the badges, etc. deserves a thank you. VP Betty - who stepped in when Chris resigned and did an admirable job handling the duties that I assigned while also working full time as



a special education teacher in Woodburn still had time to help organize and work the MS150 and the "Reach the Beach" this year. When ever I worked an event this year, I seemed to find her already there, pulling the duties and doing them with great enthusiasm that was infectious. Thanks Betty.

That's two. The third person is a very special person to me. She is the one who stepped in and handled the "Other's Hospital-ity Room" at Sea-Pac while studying for her insurance license; learning a brand new job; training 6 new employees; helping raise 3 children. She has worked several of the special events this year including ArtQuake. She helped me handle emergency traffic out of the Klamath Falls area when they had the earthquake and has kept a duplicate log for me on the Monday night nets. She has done all that she could to keep me encouraged this year when I felt like I wouldn't get through it all. She is more than just a friend. You see, she has been my support for over 24 years now. I want to say thank you to Trudi, my wife for all that she has done to help.

I am sure that I forgot some people. Thanks to all of you, I made it to the end.

---

---

## Minutes of Board Meeting 11/2/94

1. Motion made to dispense with reading the Minutes of Board Meeting on October 5, 1994.
2. The meeting was attended by Al Berg, Lynn Hurd, Bill Merwin, Wes Allen, Betty Mickley, Chuck Mickley and Bradley Beach.

### Old Business:

3. 501 (c) 3 Report: no report; Wes has not met with attorney yet. Recommendations next month.
4. Repeater: Wes reported a problem with fuse holders. The fuses on the 440 machine at KGON tower have been replaced with auto type fuses and is now OK. Modifications will be required for the 2-meter receiver. 2 checks have been sent to W7IPP for power to the 146.90 machine.
5. Nominations - no report
6. Membership: 51% of members need to be ARRL members for the club to have the Special Service Club designation. We need a survey of hobbies and occupations to identify members who could be featured as meeting program speakers or have an article in the newsletter.
7. David Aucsmith, N7VKC, who is a professor at PSU and works for Intel will be the program speaker at the November regular meeting.
8. The speaker for the January 1995 meeting will be a progress report on West Side Light Rail.
9. Christmas Party: light hors d'oeuvres will be provided. The Aliens are ready. Betty is working on obtaining gifts from vendors for the raffle. Ticket sales will start at the November meeting.
10. Cable Sales: Wes reported that no sales made yet from the new 1000-ft roll.

Meeting adjourned at 8:20 pm.

**TANDY**  
Computers

John Larson  
Manager

**Radio Shack**®  
A Division of Tandy Corporation  
7258 Beaverton-Hillsdale Highway, Portland, OR 97225  
(503) 292-6176 Fax (503) 292-8832

## From the VP's Desk

### DECEMBER CLUB MEETING

If you haven't mailed them in, bring your ballots to the club meeting. Let your voice and vote be counted.

Bring at least 3 cans of food to the OTVARC meeting room and receive 1 free raffle ticket. **Bring them to the meeting room, don't drop them off at the front desk!**

Our guest entertainers for the December meeting are a local barbershop quartet, *The Aliens*. They were the banquet entertainment for SEA\*PAC in 1992. They are consummate vocalists and hilariously funny.

We will not be serving dinner at the meeting this year. Dinner will be available from the Elks Lodge as usual. We will be serving "Finger Food" after the meeting portion and during the entertainment and drawings.

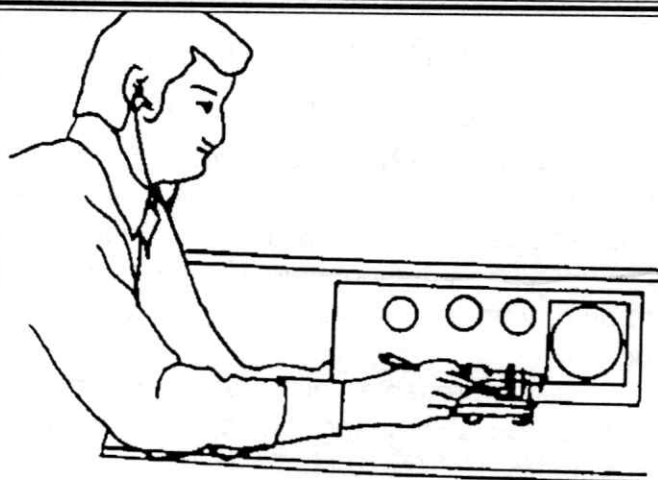
See OTVARC Holiday Party flier for additional details (Page )

### JANUARY 11th CLUB MEETING

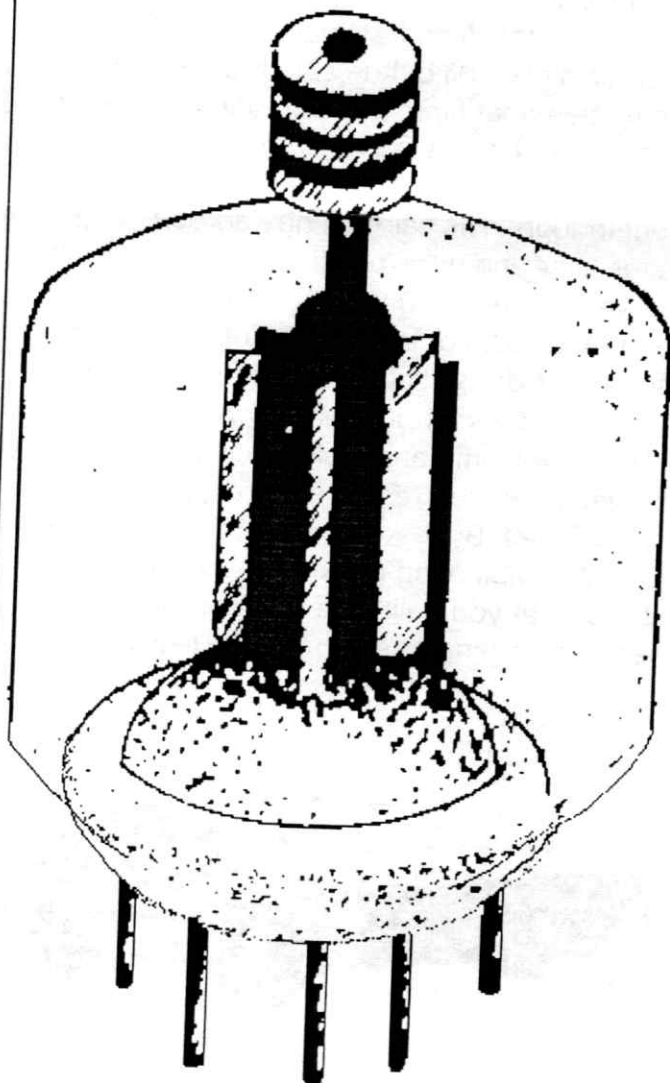
A representative from the West Side Light Rail Project will be at January's meeting to discuss the project with an emphasis on the unique communication situation encountered in managing a project of such scope. Maybe they will even explain why we were asked to turn off our radios when passing the tunnel part of the project.

## Judge Gets Elected

As some of you might remember, several months ago, Honorable Greg Milnes (W7AGQ) made an address to the club concerning the upcoming ARRL Directorship elections. The results were just published on packet. The Director for the Northwest Region is Mary Lew Brown and the Vice Director is Judge Milnes. Congratulations to both of these people. I am sure that they will serve us well in their new positions.



Stan's shack is nice and warm now that he installed the new passive heater.....



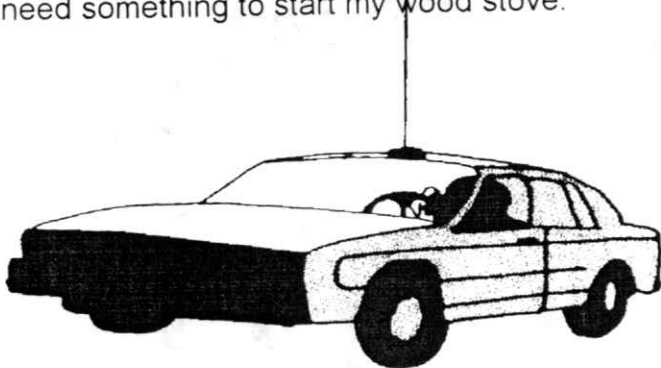
## Visiting Member Mobile DX Hound

During the November meeting, Alan Churchill (Pres-1992), regaled us all with his tales of chasing DX in his mobile. Seems that Alan has had plenty of time with his new job to be driving around and playing with his HF rig.

Alan presented his "modest" setup at one of the club meetings. The rig consists of a base HF rig (Yaesu I believe) with a removable face plate and a screw-drive whip. Between the two is a small amp that only puts out about a bazillion watts. Enough that when he drives through residential areas, garage doors open and lights come on by themselves.

So far, Alan has made most of his contacts on 20M but he said it doesn't seem to matter what time, day or night. If the band isn't open, he just fires up the rig and burns a hole in the Ozone. There is one small problem though. His car only has an 85A alternator and his rig pulls about 80 with full power. He is trying to figure out how to mount a 3KW generator in the trunk or on a trailer so his car doesn't stall every time he keys.

Thanks for dropping by Alan. You are always welcome at the club and your stories indeed make the rest of us feel good about our abilities. By the way, what ever happened to that combination power supply and fire starter that you built several years ago? I need something to start my wood stove.



## Final Nominations

The final nominations for officers to serve during the 1995 year. Nominations were taken from the floor during the meeting. A motion was made to close the nominations. The motion was seconded and passed unanimously. The following people have been nominated for office.

### President

Bill Merwin - N7VZF

### Vice-President

Betty Mickley - N7REX  
Janet Bell - WB7FJC

### Treasurer

Lorna Campbell - KA7RFD

### Secretary

Alan Chinnock - KB7POR

### Trustees:

Wes Allen - K7WWG  
Brad Beach - N7NVC  
Dennis Bourassa - N7UJB  
Bob Cowan - K17QI  
Chuck Mickley - K17CL  
Burt Rooke - K17JX  
Will Sheffield - N7THL

There will be 5 trustees elected this year. The three members receiving the most votes will be elected to 2 year terms. The next two members will serve out the remainder of the 2 year terms for the trustee positions vacated by Rich Rasch and Camber Bybee. Elections for the 2 year terms for these two positions will be held next year.

Thank you Van for handling the job as chairperson for the Nominations committee. It isn't an easy job as we all know and your help is greatly appreciated.

If you haven't voted yet, bring your ballots in the small envelope to the December meeting.

# OTVARC HOLIDAY PARTY

## Wednesday, December 14, 1994

Regular meeting night at the Beaverton Elks  
with

Regular Elks Buffet Dinner from 6:00 to 7:00PM at regular price  
for those who wish to come early.

**7:00 Brief Club Meeting, to announce election results**

followed by--

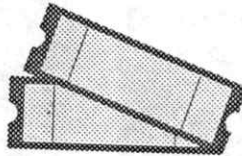
## *The Aliens*

A local Barbershop Quartet that has been singing and entertaining audiences for the past 26 years. They are one of the top show quartets in the country and have been finalists in international competition on a regular basis. They were the banquet entertainment for Sea\*Pac in 1992. They are consummate vocalists and hilariously funny. Sit back, relax, and listen to these 4 guys, who thoroughly enjoy entertaining an audience.

**8:00 PM - 9:00 PM**

## **Social Hour**

with light snacks coffee, and punch  
and background Holiday music



**9:00 PM**

Must be present to Win

## **Raffle Drawing**

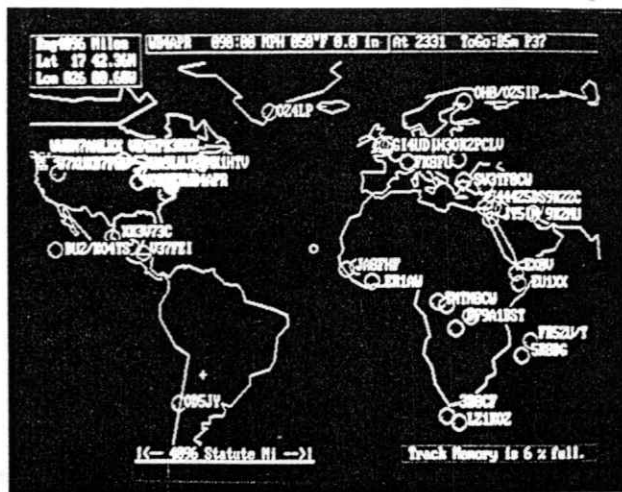
Buy your raffle tickets from Chuck or Betty Mickley  
at the November or December Club meetings.

\$1.00 each or 6 for \$5.00

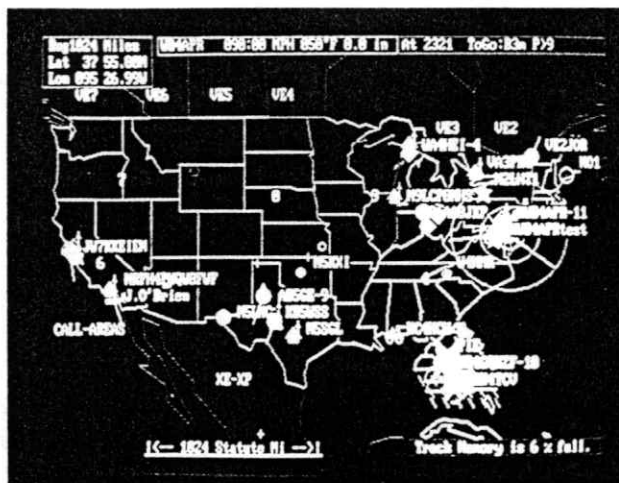
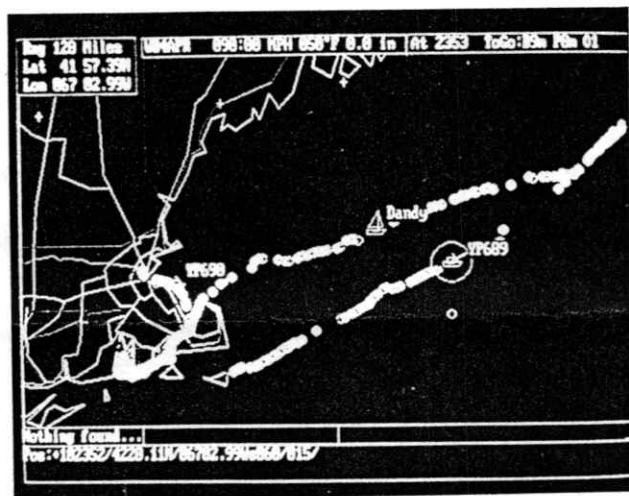
*Grand prize-2-Meter Handheld Kenwood TH-22*







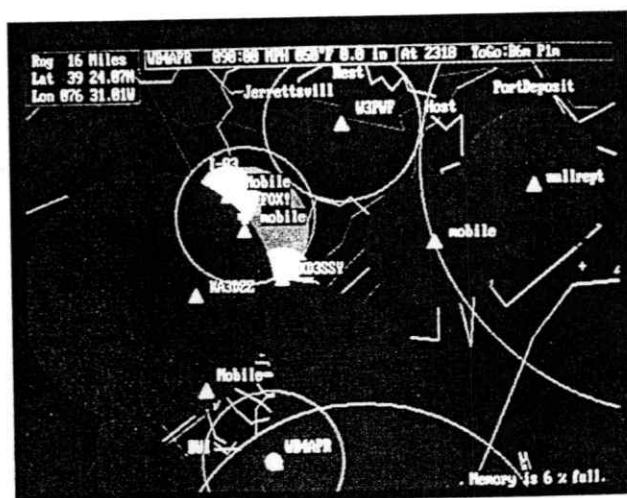
At the 4096-mile scale, APRS makes a plot of DX spots monitored on a *PacketCluster*. Zooming into the 512-mile range in Washington State would reveal six grid-square spots resulting from a 6-meter band opening.



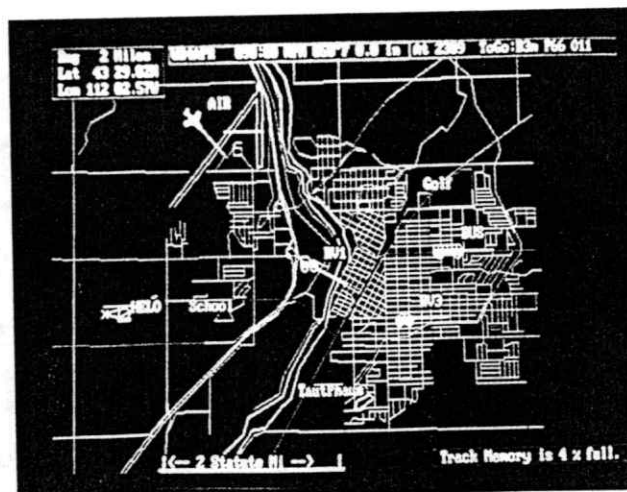
With the scale set for 1024 miles, this map shows all stations on a frequency near the top end of the 10.1-MHz band, used as the national APRS tracking frequency. Many stations are reporting weather conditions and several boats in the Gulf of Mexico and the Caribbean are reporting their positions.

**Putting Amateur Radio on the map:** Since we first reported on the *Automatic Packet Reporting System (APRS)* in July and August 1993, the system and its capabilities have continued to develop. APRS, written by ARRL Maryland-DC Section Technical Coordinator Bob Bruninga, WB4APR, is a map-based packet communication tool that allows all stations to see the locations of everyone and any other symbols placed on the maps. APRS is useful for DX, propagation plotting, GPS vehicle tracking, direction finding, SKYWARN and weather tracking, and permits split-screen text messages. The software is available free from the ARRL HQ BBS, Internet FTP sites and many land-line BBSs.

Zooming in to the 128-mile scale shows the track history of two APRS-equipped boats en route to Nova Scotia, and one going from Newport, Rhode Island, to Boston.



Foxhunters, take note: In addition to beam-heading triangulation for direction finding, APRS can plot signal strength contours from reporting stations. The overlapping colored contours reveal the general area of the hidden transmitter.



This map of Idaho Falls is set for the 2-mile scale, showing two RVs, a bus, a helicopter and an aircraft. The position, course and speed of each APRS-equipped vehicle is displayed based on receipt of its APRS packet beacon.

ADVOCATE TAX CONSULTANTS  
11080 SW ALLEN BLVD.  
BEAVERTON, OR 97005  
(503) 626-8325

ROBERT B. WHITE  
LICENSED TAX CONSULTANT ENROLLED AGENT

TAX RETURN PREPARATION, TAX PLANNING & ANALYSIS  
AUDIT REPRESENTATION

WORLDWIDE DISTRIBUTION



Serving You:

Earl Jack Ray Bill  
KE7OA KG7LX KA7WVS N7RYW

11705 SW Pacific Hwy. 99W (503) 598-0555

Portland, OR 97223 (800) 854-6048

Earl Reinöehl, KE7OA, Manager

ANAHEIM, CA • ATLANTA, GA • DENVER, CO • OAKLAND, CA  
PHOENIX, AZ • PORTLAND, OR • SALEM, OR • SAN DIEGO, CA  
SUNNYVALE, CA • VAN NUYS, CA • WOODBRIDGE, VA

"The Northwest's Largest Ham Convention"



SEAPAC



NORTHWEST DIVISION HAM CONVENTION

June 3 & 4, 1995

Seaside Convention Center, Seaside Oregon

Giant Flea Market  
Commercial Exhibits  
Awards Program  
Ladies Luncheon

NO  
SALES TAX  
IN OREGON

Banquet/Entertainment  
30+ Seminars  
V. E. Testing  
QCWA Meeting

And Much More - Right on the Beautiful Pacific Northwest Ocean Beach

GENERAL INFORMATION CALL  
RANDY STIMSON, KZ7T  
(503) 297-1175

EXHIBITORS CALL  
AL BERG, WB7SIC  
(503) 640-5456

BORSCH ELECTRONICS

Communications Servicing

9935 S.W. Johnson St.  
Tigard, OR. 97223

Joe Borsch W7PNS

(503) 684-5201

Telephone Systems  
& Supply, Inc.

180 S. Main (Suite C)  
Banks, OR 97106

BANKS  
PARCEL  
SERVICE

Ship Daily UPS

Ray and Dale

Telephone Systems  
(503) 324-3737  
(800) 723-3737

BPS Telephone  
(503) 324-2910  
FAX (503) 324-4833

## The Following is a list of the County / Club Emergency Net Frequencies.

### Club - Agency Frequency Listing

Group / Agency	Frequency	Type <sup>1</sup>	Notes
Clackamas County (CARES)	147.21(+)	R	
Clackamas County (CARES)	146.94(-)	R	
Clark County ARES	147.24(+)	R	
Clark County ARES Simplex	147.50	S	
Clatsop County ARES	146.66(-)	R	(Local Tactical) (Wide Area)
Clatsop County ARES Coord.)	146.76(-)	R	
Clatsop County ARES (Simplex)	146.52	S	
Cowlitz County ARES	147.26(+)	R	
Columbia County ARES	145.35(-)	R	(repeater output)
Columbia County ARES Simplex	145.35	S	
District 1 Emergency Net	147.32(+)	R	
District 1 Net Alternate	147.04(+)	R	
District 1 Net (Secondary)	146.48(-)	R	
Hoodview (Multnomah County)	147.28(+)	R	
Hoodview Simplex	147.48	S	
OTVARC (Washington County)	146.90(-)	R	(Tone 127.9)
OTVARC Simplex	147.42	S	
OTVARC UHF	440.35(+)	R	
PARC (Multnomah County)	146.84(-)	R	
PARC Simplex	145.73	S	
TERAC Operational	146.58	S	
Tillamook County ARES	147.22(+)	R	
Washington County ARES	146.90(-)	R	
Washington County Simplex	147.40	S	
Yamhill County ARES	146.64(-)	R	
Yamhill County ARES Simplex	146.43	S	

Check in on the frequency listed for your organization first. If you are not able to reach the net on the frequency listed, check with the D1 net on 147.32 if activated.

<sup>1</sup>Note: Type - R = Repeater / S = Simplex



## OTVARC Club Contacts

### OTVARC Executive Board

President	Bill Merwin	N7VZF	644-1974
Vice President	Betty Mickley	N7REX	642-1284
Secretary	Brad Beach	N7NVC	657-1781
Treasurer	Tim Taylor	N7UCA	292-5430
Trustee	Al Berg	WB7SIC	640-5456
Trustee	OPEN		
Trustee	Camber Bybee	KB7RGX	645-6840
Trustee	Lynn Hurd	WB7UNU	649-9152
Trustee	Wes Allen	K7WWG	649-3295

### Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	297-2732
Bunny Hunting	OPEN		
Contesting	OPEN		
DX News	Rich Jones	KG7FS	645-9417
Equipment Valuation	Randy Stimson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	Tim Taylor	N7UCA	292-5430
Field Day	Carl Clawson	WS7L	629-5796
Health & Welfare	Pat Griffiths	KA7UFG	649-0837
Member Badges	Terry Sparks	AA7ZO	628-0372
Newsletter Editor	Bill Merwin	N7VZF	640-8873
Newsletter Layout	Bill Merwin	N7VZF	883-8504
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nomination of Officers	Van Van Ness	KE7BB	246-7975
Project Night	OPEN		
Public Relations	Bill Merwin	N7VZF	644-1974
Public Service	Randy Stimson	KZ7T	297-1175
Repeater	Wes Allen	K7WWG	649-3295
RFI & TVI	Dale Mosby	N7PEX	640-0217
Satellites	Red Robert	AA7CP	357-5747
Scholarship	Exec. Board	N7VZF	644-1974
Sea-Pac	Al Berg	WB7SIC	640-5456
	Brad Beach	N7NVC	657-1781
	Jim Schaeffer	KB7ADH	245-2518
	Bill Merwin	N7VZF	644-1974
Technical	OPEN		
Tower Ordinances	Stan Griffiths	W7NI	649-0837
Trailer	Dee Lynch	KA7NPN	646-4580
Training(Code)	Burt Rooke	KI7JX	241-2891
Training(Novice/Tech)	Burt Rooke	KI7JX	241-2891
Training(Upgrade)	OPEN		
VE Testing	Alan Roehl	KO7B	292-5243
VE Test Schedule	P.A.R.I.S.	N7VIC	629-8933
VHF/UHF	Bill Roth	N7RYW	297-7605

### AZDEN RADIOS

2-Meter and 6-Meter mobiles in stock

Call: Jack - N7CXX in Wilsonville

Local Phone - Information (503)682-7898  
Orders Only Please 1-800-835-4895

## OTVARC Club Information

**Purpose:** The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

**Special Service Club** OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

**Newsletter:** The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views and recommendations of its contributors are not necessarily those of the Club, its officers, advertisers or the editorial staff.

**Correspondence:** All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

**Advertising:** Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time from January through June and July through December. All ads must be paid for in advance. Rates for 1994 are as follows:

Full Page	8" X 10"	\$200 for 6 mo.
Half Page	8" X 5"	\$125 for 6 mo.
Qtr Page	4" X 5"	\$75 for 6 mo.
Bus. Card	2" X 3"	\$35 for 6 mo.

**Meetings:** We have two meetings per month. The board meeting is on the first Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Club, 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.

**Membership** OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are as follows: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club Treasurer for prorated dues.

**How To Join:** Simply mail the Member Application and Renewal Form along with your dues to the address above.

# QSL CARDS

## 1 DAY SERVICE

### 100-\$10.00

### 250-\$20.00

Many styles to choose from. Try our new 8X11 giant size 10 for \$5.00 or our business size eyeball QSO card 200 for \$9.95 (7 days needed). Come in and check out the styles or phone and we will mail them within 24 hours (add \$1.00).

Amateur  
Equipment  
Shortwave  
Scanners



Antennas  
Accessories  
Books  
Parts

234 S.E. Grand Ave., Portland, OR 97214 (503) 233-4904

Oregon Tualatin Valley Amateur Radio Club  
PO Box 5132  
Aloha Oregon 97006-0132

Address Correction Requested



009



726

*Holiday Issue*